SCORE Search Results Details for Application 10531543 and Search Result 20081031_131728_us-10-531-543-1.rng.

This page gives you Search Results detail for the Application 10531543 and Search Result 20081031_131728_us-10-531-543-1.rng.

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                           GenCore version 6.3
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OM nucleic - nucleic search, using sw model

Run on:          October 31, 2008, 16:58:58 ; Search time 455 Seconds
                                             (without alignments)
                                             39457.692 Million cell updates/sec


Title:           US-10-531-543-1
Perfect score:   1262
Sequence:        1 ctggtggggaaggtccaaag.........tgaaaaaaaaaaaaaaaaa 1262


Scoring table:   IDENTITY_NUC
                 Gapop 10.0 , Gapext 1.0


Searched:        11806651 seqs, 7113014948 residues


Total number of hits satisfying chosen parameters:       23613302


Minimum DB seq length: 0
Maximum DB seq length: 2000000000


Post-processing: Minimum Match 0%
                 Maximum Match 100%
                 Listing first 45 summaries


Database :       N_Geneseq_200808:*
            1:   geneseqn1980s:*
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28:   geneseqn2007d:*
29:   geneseqn2008:*
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Pred. No. is the number of results predicted by chance to have a
score greater than or equal to the score of the result being printed,
and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	% Query Match	Length	DB	ID	Description
1	1262	100.0	1262	21	AEG21170	Aeg21170 Human Jab
2	1262	100.0	1262	21	AFS77968	Afs77968 Human Jun
3	1260	99.8	1282	29	AOF63552	Aof63552 Mouse Kip
4	966.8	76.6	1288	18	ADY80674	Ady80674 Human JAB
5	966.8	76.6	1288	18	ADY80675	Ady80675 Human JAB
6	966.8	76.6	1309	18	ADY80676	Ady80676 Human JAB
7	966.8	76.6	1510	18	ADY80669	Ady80669 Human JAB
8	959.4	76.0	1292	10	ADI31651	Adi31651 Human cDN
9	959.4	76.0	1292	12	ADS83718	Ads83718 Human lym
10	959.4	76.0	1292	18	ADY80668	Ady80668 Human JAB
11	948.8	75.2	1277	9	ADF81512	Adf81512 Leukaemia
12	948.8	75.2	1277	12	ACN38816	Acn38816 Tumour-as
13	948.8	75.2	1277	20	AFU76250	Afu76250 Human pro
14	948.8	75.2	1277	20	AFU81485	Afu81485 Human pro
15	948.4	75.2	1287	6	AAD24415	Aad24415 Human RNA
16	936.8	74.2	1433	13	ADP56481	Adp56481 Human bre
17	881.6	69.9	981	2	AAT32620	Aat32620 pACT59 co

18	881.6	69.9	981	3	AAA94275	Aaa94275 Murine T
19	874	69.3	1263	9	ADA53665	Ada53665 Human cod
20	823.2	65.2	949	6	ABS51512	Abs51512 Human cDN
21	797.6	63.2	919	2	AAT32621	Aat32621 pACT74 co
22	797.6	63.2	919	3	AAA94276	Aaa94276 Murine T
23	791.2	62.7	1262	13	ADP56483	Adp56483 Human bre
24	791.2	62.7	1937	13	ADP56482	Adp56482 Human bre
25	790.6	62.6	3479	13	ADR08249	Adr08249 Full leng
26	753.2	59.7	871	6	ABS51518	Abs51518 Human cDN
27	750.2	59.4	868	8	ACA57249	Aca57249 Human adi
28	697.8	55.3	1661	27	ARB60069	Arb60069 DNA fragm
29	674.2	53.4	1059	27	ARB75265	Arb75265 DNA fragm
30	674.2	53.4	1729	6	ABZ78075	Abz78075 Human bre
31	669.8	53.1	777	8	ACA57301	Aca57301 Human adi
32	590.4	46.8	680	8	ACA57034	Aca57034 Human adi
33	570.6	45.2	657	8	ACA57385	Aca57385 Human adi
34	567.6	45.0	654	8	ACA57045	Aca57045 Human adi
35	560.4	44.4	642	6	ABS51593	Abs51593 Human cDN
36	554.4	43.9	636	8	ACA57112	Aca57112 Human adi
37	534.4	42.3	757	27	ARB73520	Arb73520 DNA fragm
38	509.8	40.4	585	6	ABS51610	Abs51610 Human cDN
39	495	39.2	579	19	AEE12148	Aee12148 Hamster c
40	495	39.2	579	19	AEE15790	Aee15790 Hamster S
41	475.6	37.7	1314	13	ADP56484	Adp56484 Human bre
42	475	37.6	562	6	ABK39139	Abk39139 cDNA enco
43	475	37.6	562	8	ACA02654	Aca02654 Lung canc
44	475	37.6	562	8	ACA11468	Aca11468 Human lun
45	475	37.6	562	9	ADH46696	Adh46696 Human lun

ALIGNMENTS

RESULT 1
AEG21170
ID   AEG21170 standard; DNA; 1262 BP.
XX
AC   AEG21170;
XX
DT   04-MAY-2006   (first entry)
XX
DE   Human Jab1 DNA.
XX
KW   gene; ds; flavivirus infection; pestivirus infection; infection;
KW   Jun-activation binding protein 1; West nile virus infection;
KW   neurological disease; temperature disorder; fever;
KW   cardiovascular disease; bleeding; jaundice; gastrointestinal disease;
KW   metabolic disorder; arthralgia; myalgia; musculoskeletal disease;
KW   encephalitis; meningitis; Virucide; Antipyretic; Antiinflammatory;

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KW      Antiallergic; Hemostatic; Hepatotropic; apoptosis inhibitor.
XX
OS      Homo sapiens.
XX
FH      Key             Location/Qualifiers
FT      CDS             94. .1098
FT                      /*tag=  a
FT                      /product= "Jab1"
XX
PN      WO2006025623-A1.
XX
PD      09-MAR-2006.
XX
PF      31-AUG-2004; 2004WO-KR002190.
XX
PR      31-AUG-2004; 2004WO-KR002190.
XX
PA      (UYSU-) UNIV SUNGKYUNKWAN.
XX
PI      Song J,  Oh W,  Pyo SN,  Yang J,  Lee H,  Lee SR,  Sung YH;
XX
DR      WPI; 2006-204334/21.
DR      P-PSDB; AEG21171.
XX
PT      New composition comprising a Jab1 (Jun-activation binding protein 1)
PT      protein or the nucleic acid sequence encoding the protein, useful for
PT      treating or preventing a flavivirus or pestivirus infection, e.g. fever,
PT      rash, meningitis.
XX
PS      Claim 3; SEQ ID NO 1; 72pp; English.
XX
CC      This invention describes a novel composition for treating or preventing a
CC      flavivirus or pestivirus infection, comprising a Jab1 (Jun-activation
CC      binding protein 1) protein AEG21171 or the nucleic acid sequence encoding
CC      the protein, AEG21170. The invention also describes; a) a method of
CC      screening a compound stimulating expression of a Jab1 protein, comprising
CC      culturing a cell expressing the Jab1 protein, contacting the cultured
CC      cell with candidate compounds for stimulating expression of the Jab1
CC      protein, comparing an expression level of the Jab1 protein with that in a
CC      control not contacted with the candidate compounds and identifying a
CC      compound increasing expression levels of the Jab1 protein and b) a method
CC      of screening a compound stimulating interaction between a Jab1 protein
CC      and a capsid (Cp) protein, comprising culturing a cell transformed with
CC      both a recombinant vector expressing the Jab1 protein and another
CC      recombinant vector expressing the Cp protein of flavivirus or pestivirus,
CC      contacting the cultured cell with candidate compounds for stimulating
CC      interaction between the Jab1 protein and the Cp protein, comparing an
CC      expression level of the Cp protein with that in a control not contacted
CC      with the candidate compounds and identifying a compound reducing
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CC   expression levels of the Cp protein. The Jab1 nucleic acid AEG21170 can
CC   be incorporated into a recombinant viral vector selected from recombinant
CC   retrovirus, adenovirus, adeno-associated virus and herpes simplex virus.
CC   The composition of the invention is particularly effective for treating
CC   flavivirus infection e.g. West Nile virus which causes fever, rash,
CC   bleeding, jaundice, arthralgia, myalgia, encephalitis or meningitis. This
CC   sequence encodes the human Jab1 protein. The Jab1 protein is found to
CC   interact with the capsid protein of flavivirus and inhibits apoptosis by
CC   accelerating the degradation of the capsid protein.
XX
SQ   Sequence 1262 BP; 394 A; 265 C; 302 G; 301 T; 0 U; 0 Other;
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  Best Local Similarity    100.0%;   Pred. No. 0;
  Matches 1262;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;
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Qy         61 TTGTGGAGCGACAGCTTCTCCGGTGCCTCGGCCATGGCAGCTTCCGGGAGTGGTATGGCC 120
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Qy        121 CAGAAAACCTGGGAATTGGCCAACAACATGCAGGAAGCGCAGAGTATCGATGAAATCTAC 180
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Qy        181 AAATATGACAAAAAACAACAACAAGAAATCCTGGCGGCGAAACCCTGGACTAAGGATCAC 240
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Db        181 AAATATGACAAAAAACAACAACAAGAAATCCTGGCGGCGAAACCCTGGACTAAGGATCAC 240

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Qy        481 CTTGAGAATGCAATCGGTTGGTATCATAGCCACCCTGGTTATGGCTGCTGGCTCTCCGGG 540
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Qy      1261 AA 1262
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RESULT 2
AFS77968
ID   AFS77968 standard; DNA; 1262 BP.
XX
AC   AFS77968;
XX
DT   14-JUN-2007 (first entry)
XX
DE   Human Jun-activation binding protein 1 gene, SEQ ID NO: 1.
XX
KW   gene; ds; Jab1; Jun-activation binding protein 1; apoptosis inhibition;
KW   flavivirus infection; gene therapy; protein degradation; capsid;
KW   pestivirus infection.
XX
OS   Homo sapiens.
XX
FH   Key   Location/Qualifiers
FT   CDS   94. .1098
FT   /*tag= a
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XX
PN   KR2006020531-A.
XX
PD   06-MAR-2006.
XX
PF   31-AUG-2004; 2004KR-00069381.
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PR   31-AUG-2004; 2004KR-00069381.
XX
PA   (UYSU-) UNIV SUNGKYUNKWAN.
XX
PI   Song JW, Oh WK, Sung YH, Lee SR, Lee HW, Pyo SN, Yang JS;
XX
DR   WPI; 2006-764085/78.
DR   P-PSDB; AFS77969.
XX
PT   Composition for treating virus infection diseases comprising jab1
PT   inhibiting apoptosis by promotion of decomposition of capsid proteins.
XX
PS   Claim 2; SEQ ID NO 1; 26pp; Korean.
XX
CC   The invention relates to a composition for treating viral infections

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CC    comprising a recombinant vector comprising a Jab1 (Jun-activation binding
CC    protein 1) DNA for inhibiting apoptosis by promoting the decomposition of
CC    capsid proteins, useful for treating diseases caused by infection by a
CC    flavivirus or a pestivirus such as pyrexia, eruption, hemorrhage,
CC    jaundice, arthralgia, encephalitis or meningitis. The recombinant vector
CC    of the invention is a recombinant virus vector selected from a
CC    recombinant retrovirus, adenovirus, adeno-associated virus and Herpes
CC    simplex virus. The present sequence encodes the human Jab1 polypeptide of
CC    the current invention.
XX
SQ    Sequence 1262 BP; 394 A; 265 C; 302 G; 301 T; 0 U; 0 Other;
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  Query Match              100.0%;  Score 1262;  DB 21;  Length 1262;
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Qy      181 AAATATGACAAAAAACAACAACAAGAAATCCTGGCGGCGAAACCCTGGACTAAGGATCAC 240
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Qy      361 ATGATCATCATGGACAGTTTCGCTTTGCCTGTAGAGGGCACAGAAACTCGAGTAAATGCT 420
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Qy      481 CTTGAGAATGCAATCGGTTGGTATCATAGCCACCCTGGTTATGGCTGCTGGCTCTCCGGG 540
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Qy      721     AAAATAGAAGATTTTGGCGTGCACTGCAAACAATATTATGCCTTAGAAGTCTCATATTTC 780
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Db      1021    ACCACCATAGAAGCCATCCATGGACTGATGTCTCAGGTTATTAAGGATAAACTGTTTAAT 1080

Qy      1081    CAGATTAACGTTGCTTAGTTACCACCAAGTACTTCTCAAAGCTGGTGTGTGGAAGGAAAA 1140
                |||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db      1081    CAGATTAACGTTGCTTAGTTACCACCAAGTACTTCTCAAAGCTGGTGTGTGGAAGGAAAA 1140

Qy      1141    GAAGCTCAAGTAACACTTTTAACCCAGTTACCAAAACTCAGATTAGAAGACTAAGGTGCT 1200
                |||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db      1141    GAAGCTCAAGTAACACTTTTAACCCAGTTACCAAAACTCAGATTAGAAGACTAAGGTGCT 1200

Qy      1201    GTGTGGTGTCCTGAGTATTAGCACTGTAATAAAACTATCACGTGAAAAAAAAAAAAAAAA 1260
                |||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
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Db      1201 GTGTGGTGTCCTGAGTATTAGCACTGTAATAAACTATCACGTGAAAAAAAAAAAAAA 1260

Qy      1261 AA 1262
                  ||
Db      1261 AA 1262
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RESULT 3
AOF63552
ID    AOF63552 standard; DNA; 1282 BP.
XX
AC    AOF63552;
XX
DT    15-MAY-2008  (first entry)
XX
DE    Mouse Kip1 C-terminus interacting protein-2 coding sequence, SEQ ID 1.
XX
KW    drug screening; cancer; leukemia; stem cell;
KW    Kip1 C-terminus interacting protein-2; Kic2; ds; gene.
XX
OS    Mus musculus.
XX
FH    Key                Location/Qualifiers
FT    CDS                116. .1120
FT                       /*tag=  a
FT                       /product= "Kip1 C-terminus interacting protein-2"
XX
PN    JP2007330205-A.
XX
PD    27-DEC-2007.
XX
PF    16-JUN-2006; 2006JP-00168160.
XX
PR    16-JUN-2006; 2006JP-00168160.
XX
PA    (UYNA-) UNIV NARA.
XX
PI    Kato J;
XX
DR    WPI; 2008-E37671/30.
DR    P-PSDB; AOF63555.
DR    GENBANK; AF068223.
DR    PC:NCBI; gi7380922.
DR    PC_ENCPRO:NCBI; gi7380923.
XX
PT    Preparation of cancer stem cell useful in screening antileukemic agents,
PT    involves raising leukemia spontaneous transgenic non-human animal over
PT    expressing Jab1 gene, and obtaining cancer stem cell from raised animal.
XX
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PS     Example 1; SEQ ID NO 1; 22pp; Japanese.
XX
CC     The present invention relates to a method of producing cancer stem cell.
CC     The method involves raising leukemia spontaneous transgenic animal
CC     capable of over expressing Jab1 gene, and obtaining cancer stem cell from
CC     the raised animal. The present invention also provides a method for
CC     screening antileukemic agents comprises contacting the cancer stem cell
CC     with test substance; measuring the Jab1 expression level of cancer stem
CC     cell, stem cell activity or survival rate of cancer stem cell; comparing
CC     the measured parameters with Jab1 expression level, stem cell activity or
CC     survival rate of control (cancer stem cell not contacted with test
CC     substance); and selecting the test substance as therapeutic agent of
CC     leukemia. Also described is: method of evaluating leukemia therapeutic
CC     effect of test drug with respect to target stem cell. The method of the
CC     invention enables the abundant production of cancer stem cells using
CC     transgenic animal and useful in screening therapeutic and/or preventive
CC     agent of leukemia, evaluating drug efficacy and in elucidating cancer
CC     onset mechanism. The present sequence is a mouse Kip1 C-terminus
CC     interacting protein-2 (Kic2) coding sequence similar to Homo sapiens Jun
CC     activation domain binding protein (Jab1) of the invention.
CC
CC     Revised record issued on 29-JAN-2008 : Enhanced with precomputed
CC     information from BOND.
XX
SQ     Sequence 1282 BP; 396 A; 268 C; 311 G; 307 T; 0 U; 0 Other;

    Query Match             99.8%;  Score 1260;  DB 29;   Length 1282;
    Best Local Similarity   100.0%;  Pred. No. 0;
    Matches 1260;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 CTGGTGGGGAAGGTCCAAAGCCCGCACGCTGAGGCCCAGTAGAAGAAAGTTGCATCTTGA 60
              |||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db         23 CTGGTGGGGAAGGTCCAAAGCCCGCACGCTGAGGCCCAGTAGAAGAAAGTTGCATCTTGA 82

Qy         61 TTGTGGAGCGACAGCTTCTCCGGTGCCTCGGCCATGGCAGCTTCCGGGAGTGGTATGGCC 120
              |||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db         83 TTGTGGAGCGACAGCTTCTCCGGTGCCTCGGCCATGGCAGCTTCCGGGAGTGGTATGGCC 142

Qy        121 CAGAAAACCTGGGAATTGGCCAACAACATGCAGGAAGCGCAGAGTATCGATGAAATCTAC 180
              |||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        143 CAGAAAACCTGGGAATTGGCCAACAACATGCAGGAAGCGCAGAGTATCGATGAAATCTAC 202

Qy        181 AAATATGACAAAAAACAACAACAAGAAATCCTGGCGGCGAAACCCTGGACTAAGGATCAC 240
              |||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        203 AAATATGACAAAAAACAACAACAAGAAATCCTGGCGGCGAAACCCTGGACTAAGGATCAC 262

Qy        241 CACTACTTTAAATACTGCAAAATCTCAGCATTGGCTCTACTGAAAATGGTGATGCATGCC 300
              |||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        263 CACTACTTTAAATACTGCAAAATCTCAGCATTGGCTCTACTGAAAATGGTGATGCATGCC 322
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Qy   301  AGGTCAGGAGGCAACTTGGAAGTGATGGGTTTGATGCTCGGGAAAGTCGACGGCGAGACC  360
          ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db   323  AGGTCAGGAGGCAACTTGGAAGTGATGGGTTTGATGCTCGGGAAAGTCGACGGCGAGACC  382

Qy   361  ATGATCATCATGGACAGTTTCGCTTTGCCTGTAGAGGGCACAGAAACTCGAGTAAATGCT  420
          ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db   383  ATGATCATCATGGACAGTTTCGCTTTGCCTGTAGAGGGCACAGAAACTCGAGTAAATGCT  442

Qy   421  CAAGCTGCTGCGTATGAGTATATGGCTGCATACATAGAAAATGCCAAACAGGTTGGCCGC  480
          ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db   443  CAAGCTGCTGCGTATGAGTATATGGCTGCATACATAGAAAATGCCAAACAGGTTGGCCGC  502

Qy   481  CTTGAGAATGCAATCGGTTGGTATCATAGCCACCTGGTTATGGCTGCTGGCTCTCCGGG  540
          ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db   503  CTTGAGAATGCAATCGGTTGGTATCATAGCCACCTGGTTATGGCTGCTGGCTCTCCGGG  562

Qy   541  ATTGATGTTAGTACACAGATGCTGAACCAGCAGTTTCAAGAACCATTTGTAGCAGTGGTG  600
          ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db   563  ATTGATGTTAGTACACAGATGCTGAACCAGCAGTTTCAAGAACCATTTGTAGCAGTGGTG  622

Qy   601  ATTGATCCAACCAGAACAATCTCTGCAGGAAAAGTGAATCTTGGCGCCTTTAGGACATAT  660
          ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db   623  ATTGATCCAACCAGAACAATCTCTGCAGGAAAAGTGAATCTTGGCGCCTTTAGGACATAT  682

Qy   661  CCAAAGGGCTACAAACCTCCTGATGAAGGACCTTCTGAGTACCAGACTATCCCACTTAAT  720
          ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db   683  CCAAAGGGCTACAAACCTCCTGATGAAGGACCTTCTGAGTACCAGACTATCCCACTTAAT  742

Qy   721  AAAATAGAAGATTTTGGCGTGCACTGCAAACAATATTATGCCTTAGAAGTCTCATATTTC  780
          ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db   743  AAAATAGAAGATTTTGGCGTGCACTGCAAACAATATTATGCCTTAGAAGTCTCATATTTC  802

Qy   781  AAATCATCTTTGGATCGTAAACTACTTGAGCTTTTGTGGAATAAATACTGGGTGAATACC  840
          ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db   803  AAATCATCTTTGGATCGTAAACTACTTGAGCTTTTGTGGAATAAATACTGGGTGAATACC  862

Qy   841  CTGAGTTCCTCTAGCTTGCTTACTAATGCAGACTACACCACAGGCCAGGTGTTTGATTTG  900
          ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db   863  CTGAGTTCCTCTAGCTTGCTTACTAATGCAGACTACACCACAGGCCAGGTGTTTGATTTG  922

Qy   901  TCTGAGAAGTTAGAGCAGTCGGAAGCCCAACTGGGACGTGGCAGTTTCATGTTGGGCTTA  960
          ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db   923  TCTGAGAAGTTAGAGCAGTCGGAAGCCCAACTGGGACGTGGCAGTTTCATGTTGGGCTTA  982

Qy   961  GAAACACATGACCGCAAGTCGGAAGACAAACTTGCCAAAGCTACTAGAGACAGCTGTAAA  1020
          ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db   983  GAAACACATGACCGCAAGTCGGAAGACAAACTTGCCAAAGCTACTAGAGACAGCTGTAAA  1042
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Qy    1021  ACCACCATAGAAGCCATCCATGGACTGATGTCTCAGGTTATTAAGGATAAACTGTTTAAT  1080
            ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db    1043  ACCACCATAGAAGCCATCCATGGACTGATGTCTCAGGTTATTAAGGATAAACTGTTTAAT  1102

Qy    1081  CAGATTAACGTTGCTTAGTTACCACCAAGTACTTCTCAAAGCTGGTGTGTGGAAGGAAAA  1140
            ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db    1103  CAGATTAACGTTGCTTAGTTACCACCAAGTACTTCTCAAAGCTGGTGTGTGGAAGGAAAA  1162

Qy    1141  GAAGCTCAAGTAACACTTTTAACCCAGTTACCAAAACTCAGATTAGAAGACTAAGGTGCT  1200
            ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db    1163  GAAGCTCAAGTAACACTTTTAACCCAGTTACCAAAACTCAGATTAGAAGACTAAGGTGCT  1222

Qy    1201  GTGTGGTGTCCTGAGTATTAGCACTGTAATAAACTATCACGTGAAAAAAAAAAAAAAAAA  1260
            ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db    1223  GTGTGGTGTCCTGAGTATTAGCACTGTAATAAACTATCACGTGAAAAAAAAAAAAAAAAA  1282
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